Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Friday 29 Dec 2023 until 23:59 on Saturday 30 Dec 2023

Forecast Issued on Thursday 28 Dec 2023 at 12:19

Confidence: High for unsettled and often windy conditions through this period. Lower for rain or snow details and freezing levels.

Headline for Friday 29 Dec 2023: Mainly dry morning, showers in afternoon, wintry on the tops. Cold and windy.

Mountain weather hazards on Friday 29 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sleet showers	Heavy snow showers (night)	Heavy snow showers (night)
Precipitation probability							
30%	30%	30%	30%	30%	60%	70%	70%

Forecast for Friday 29 Dec 2023

Weather: Mostly dry overnight then bright spells during the morning and the odd passing shower, wintry above 600m. Showers will develop more widely through the afternoon and evening, heavy at times and falling as sleet or snow above 500m.

Chance of cloud-free hill tops above 600m: 80% overnight and morning, becoming 50% in afternoon.

Low cloud and visibility: Mainly good visibility in the morning with brief reductions in any showers and summit cloud. Poor at times through the afternoon and evening in wintry showers with patchy cloud and fog above 400m.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Friday 29 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/41 SW	31/42 SW	30/41 SW	29/40 SW	27/37 W	24/35 W	24/34 W	23/34 W	22/33 W
300	23/34 SW	23/33 SW	23/34 SW	22/32 SW	20/29 W	17/28 W	17/27 SW	17/27 W	16/26 SW
Valley	15/32 SW	15/33 SW	15/33 SW	14/31 SW	15/30 W	13/28 W	12/25 W	12/25 W	10/22 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-5	2/-6	1/-6	1/-6	2/-5	1/-5	1/-6	0/-7	0/-7
300	5/-0	4/-1	4/-2	4/-2	5/0	4/-1	3/-2	3/-3	2/-3
Valley	6/1	5/1	5/0	4/0	6/2	5/1	4/-0	3/-1	3/-1
Freezing Level*	800m	800m	700m	700m	800m	700m	700m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A cold day on the tops with strong and gusty winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 28 Dec 2023	8.8mm	24.7mm	32.5mm

Forecast for Saturday 30 Dec 2023

Weather: Wintry showers dying out overnight. A dry start but rain will soon spread in from the southwest in the morning, preceded by sleet or snow above 500m. This turning heavy for a while then clearing east in the afternoon followed by a few showers.

Maximum wind: South or southeast 10-15mph increasing 25 to 35mph gust 50mph, easing slightly in afternoon.

Chance of cloud-free hill tops above 600m: 90% early morning but soon becoming 20% or less.

Low cloud and visibility: Good visibility early morning but quickly worsening as rain or snow arrives, becoming poor with extensive cloud above 500m. Cloud lifting and breaking in the afternoon but some patches down to 500m in showers.

Temperature: **Valleys:** Plus 1C rising to 8C.
At 600m: Minus 1C rising to Plus 4C in afternoon.
Freezing level: 500m rising above summits by afternoon.

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